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Statistical processes, Curve fitting, Mathematical  
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This review of certain studies carried out in Moscow  
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The influence of the oscillations of the velocity in a  
liquid jet and the density of the medium surrounding  
a cylindrical jet, on the disintegration of the jet, is  
considered theoretically. The method of small per-  
turbations beginning with the velocity potential  
equation is used. The following conclusions were  
derived: (a) during the oscillations of the velocity of  
a liquid jet the character and the length of the waves  
of the unstable perturbations are subject to change  
and there appears a great number of separate  
Copies obtainable from NASA, Washington (over)

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